

CLAIMS

1. A passenger conveyor including an escalator and a moving walkway, comprising:

a handrail endlessly moving along an outer periphery of a balustrade panel;

an end-deck cover disposed at an end of the balustrade panel near a floor of a platform, for covering a part where the handrail enters and exits;

a handrail inlet safety device for stopping an operation of the passenger conveyor when a foreign matter is drawn into the part where the handrail enters and exits;

an operation device for operating the passenger conveyor; and

an operation condition display device for displaying an operation condition of the passenger conveyor to a passenger; wherein

the handrail inlet safety device, the operation device, and the operation condition display device are disposed in the end-deck cover.

2. The passenger conveyor according to claim 1, wherein

a passenger detecting device for detecting an approach of a passenger is disposed in the end-deck cover.

3. The passenger conveyor according to claim 1 or 2, wherein

the part where the handrail enters and exits is formed on the end-deck cover such that the handrail is linearly extended at a predetermined angle relative to the floor of the platform when viewed horizontally from the lateral side.

4. The passenger conveyor according to any one of claims 1 to 3, wherein

the handrail inlet safety device is formed to have a width dimension equal to or smaller than a width dimension of the

handrail when viewed from the front, and a smaller thickness when viewed from the lateral side, and

the handrail inlet safety device is arranged in the end-deck cover along a lower surface of the handrail.

5. The passenger conveyor according to any one of claims 1 to 4, wherein

the end-deck cover has an inclined surface along which a display surface of the operation condition display device is disposed, and

the inclined surface is inclined to face a center part of the floor of the platform when viewed vertically from above, and is inclined to face an upper side of the center part when viewed horizontally from the lateral side.

6. The passenger conveyor according to any one of claims 1 to 5, wherein

the operation condition display device is disposed in an inner space of the end-deck cover, which is a triangular space formed between a lower surface of the handrail extending in the end-deck cover and the floor of the platform when viewed horizontally from the lateral side.

7. The passenger conveyor according to claim 5 or 6, wherein

the operation condition display device includes a display part which is disposed along the inclined surface of the end-deck cover and has a light emitter for displaying information, and a display control part which is horizontally arranged rearward the display part.

8. The passenger conveyor according to any one of claims 4 to 7, wherein

the operation condition display device is arranged in the end-deck cover below the handrail inlet safety device.

9. The passenger conveyor according to claim 8, wherein the operation device is arranged in the end-deck cover on a side of the handrail inlet safety device and the operation condition display device.
10. The passenger conveyor according to any one of claims 7 to 9, wherein the passenger detecting device is arranged in the end-deck cover on a side of the display part of the operation condition display device.
11. The passenger conveyor according to any one of claims 1 to 10, further comprising:
a surface plate of an outside wall surface forming the balustrade panel, which provides an outside wall surface facing a step where a passenger gets on;
a screw for thread-mounting the surface plate on a frame; and
an ornamental member attached on an outer surface of the surface plate, for covering a head of the screw.
12. The passenger conveyor according to any one of claims 1 to 11, comprising:
a surface plate of an outside wall surface forming the balustrade panel, which provides an outside wall surface facing the step where a passenger gets on and off;
a skirt guard extended in a predetermined direction near the step where a passenger gets on and off; and
a connection member having substantially an S-shaped section, for connecting the surface plate and the skirt guard.
13. The passenger conveyor according to claim 12, wherein the connection member has one U-shaped groove to which an end of the surface plate is inserted and the other U-shaped groove to which an end of the skirt guard is inserted, to thereby support the surface plate and the skirt guard.

14. A passenger conveyer further comprising:
a skirt guard extending adjacent to a step where a passenger gets on and off; and
a strip-like light means for lighting the step, which is disposed on the skirt guard and is extended along a length thereof.